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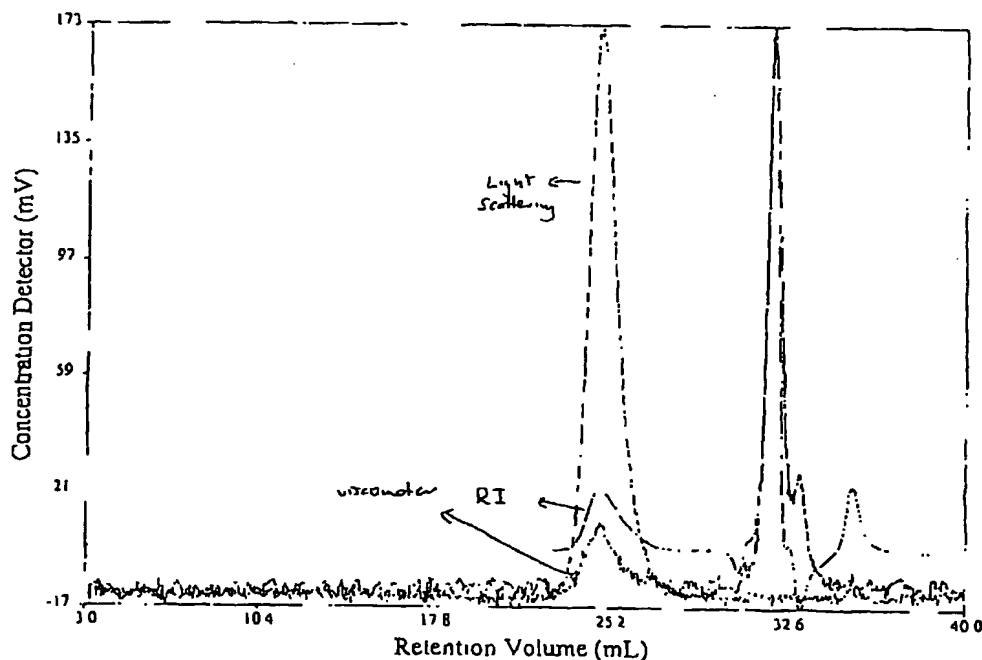
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60/433,507 16 December 2002 (16.12.2002) US
- (71) Applicant (for all designated States except US): **THE UNIVERSITY OF BRITISH COLUMBIA** [CA/CA];  
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- (74) Agents: **ROBINSON, J., Christopher** et al.; Smart & Biggar, Suite 2200, 650 West Georgia Street, Box 11560, Vancouver, British Columbia V6B 4N8 (CA).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: POLYMERIZATION OF PHOSPHAALKENES



(57) Abstract: Methods for polymerization of phosphaaalkenes using initiators are provided. Also provided are polymers and co-polymers in which the polymer backbone contains tracts of carbon and phosphorus atoms in approximately equimolar amounts. C-P bonds in the polymers of this invention may be predominantly in a head-to-tail arrangement or mixed arrangements. Co-polymers may comprise polyolefin monomer units.

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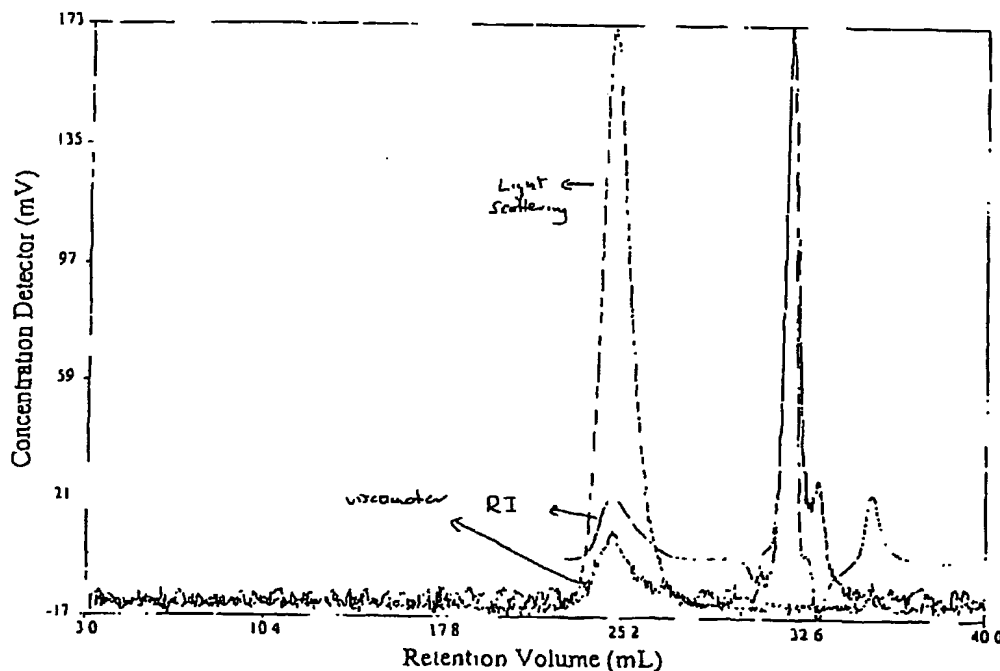
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# INTERNATIONAL SEARCH REPORT

International Application No

PC/CA 03/01982

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08G79/00 C08G79/04 C08G79/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 1 299 992 A (ARMSTRONG CORK CO) 27 July 1962 (1962-07-27) page 1, column 1, line 1 - page 2, column 2, line 30	1-22
X	GB 1 021 016 A (TOKYO SHIBAURA ELECTRIC CO) 23 February 1966 (1966-02-23) page 1, column 1, line 9 - line 11 page 1, column 2, line 59 - page 2, column 1, line 31; claims 1-5; examples 1-11	1-22
X	FR 1 327 030 A (HOOKER CHEMICAL CORP) 17 May 1963 (1963-05-17) page 2, column 2, line 29 - line 42	1-22
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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\*P\* document published prior to the international filing date but later than the priority date claimed

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\*G\* document member of the same patent family

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International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	GB 906 408 A (MICROCELL LTD) 19 September 1962 (1962-09-19) page 1, line 13 - line 27; claim 1; examples 1-5	1-22
X	S.KOBAYASHI, M.SUZUKI, T.SAEGUSA: "Kinetic studies on cationic ring-opening polymerization of 2-phenyl-1,2-oxaphospholane" MACROMOLECULES, vol. 17, 1984, pages 107-110, XP002283598 cited in the application the whole document	1-22
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Information on patent family members

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